# SA-WP785

# SERVICE MANUAL

*E Model*
*Australian Model*

**Ver. 1.0 2007.04**

- SA-WP785 is the sub woofer section in HT-DDW785.

## SPECIFICATIONS

| | |
|---|---|
| Speaker system | Active subwoofer, magnetically shielded |
| Speaker unit | 200 mm cone type |
| Enclosure type | Acoustically loaded bass reflex |
| RMS output | 190 W |
| Input | LINE IN (input pin jacks) |

Power requirements

| Area code | Power requirements |
|---|---|
| AUS | 240 V AC, 50Hz |
| SP | 230 – 240 V AC, 50/60 Hz |

| | |
|---|---|
| Power consumption | 80 W |
| Dimensions (w/h/d) (Approx.) | 270 × 330 × 373 mm including front panel |
| Mass (Approx.) | 8.3 kg |

Design and specifications are subject to change without notice.

- Abbreviation
  AUS : Australian model
  SP : Singapore model

## ACTIVE SUBWOOFER

**9-887-652-01**
2007D16-1
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**Sony Corporation**
**Home Audio Division**
**Published by Sony Techno Create Corporation**

SONY

**UNLEADED SOLDER**

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

**: LEAD FREE MARK**

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

**SAFETY-RELATED COMPONENT WARNING!!**

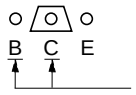
**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

# SECTION 1
# DIAGRAMS

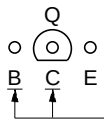
**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**
**(In addition to this, the necessary note is printed in each block.)**

**Note on Printed Wiring Boards:**

- ⊶—— : parts extracted from the component side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.
- Indication of transistor.




These are omitted.




*These are omitted.*

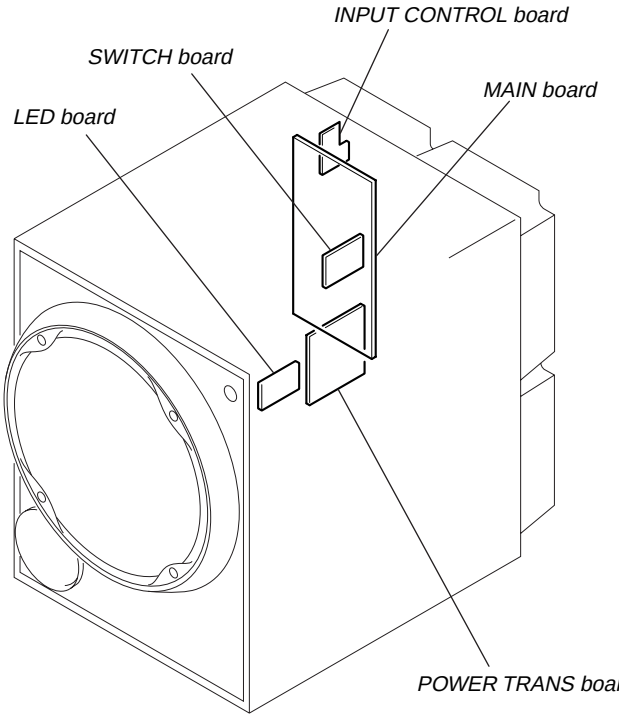
**Note on Schematic Diagrams:**

- All capacitors are in μF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- ▭ : nonflammable resistor.
- ▭ : fusible resistor.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- ▭ : panel designation.

**Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

- ▬▬ : B+ Line.
- ▬ ▬ ▬ : B– Line.
- Voltages and dc with respect to ground under no-signal conditions.
  no mark : Power on
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : AUDIO
- Abbreviation
  AUS : Australian model
  SP : Singapore model

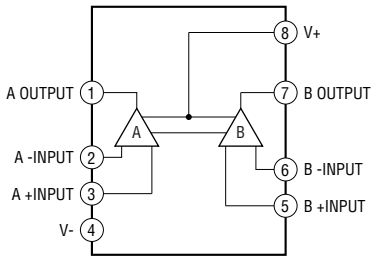
**• Circuit Boards Location**



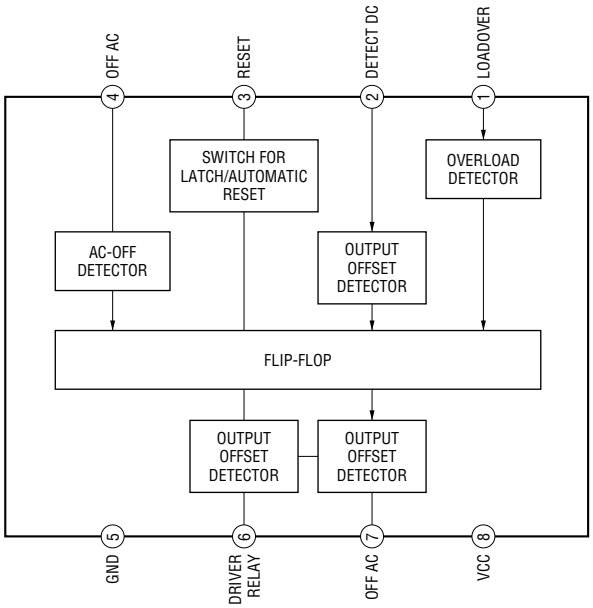
- **IC Block Diagrams**

**– MAIN Board –**

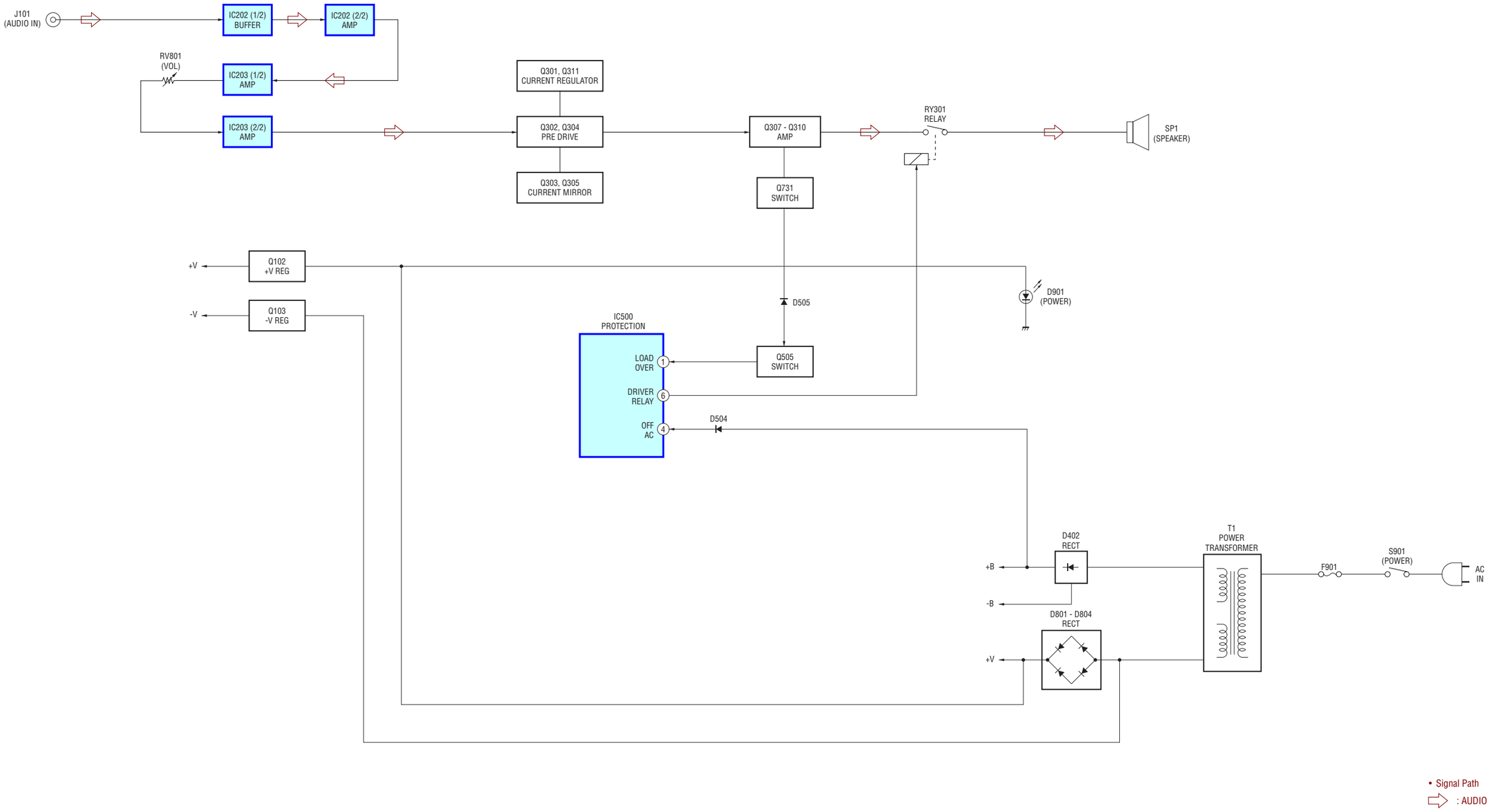
**IC202, IC203 NJM4565D**




**IC500 uPC1237C-A**



## 1-1. BLOCK DIAGRAM

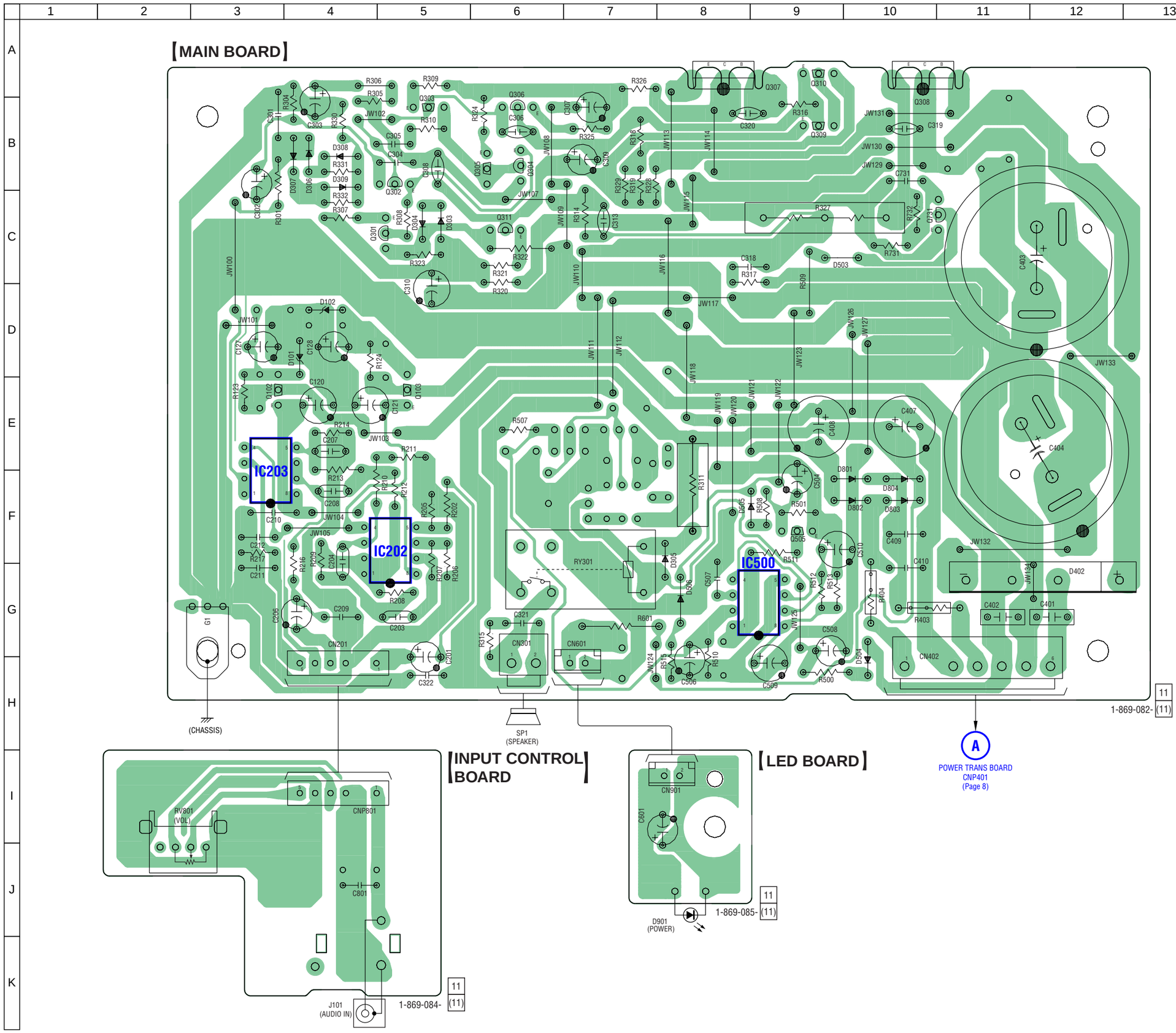



• Signal Path
: AUDIO

## 1-2. PRINTED WIRING BOARDS — MAIN SECTION —

• :Uses unleaded solder. • See page 3 for Circuit Boards Location.

【MAIN BOARD】




【INPUT CONTROL BOARD】



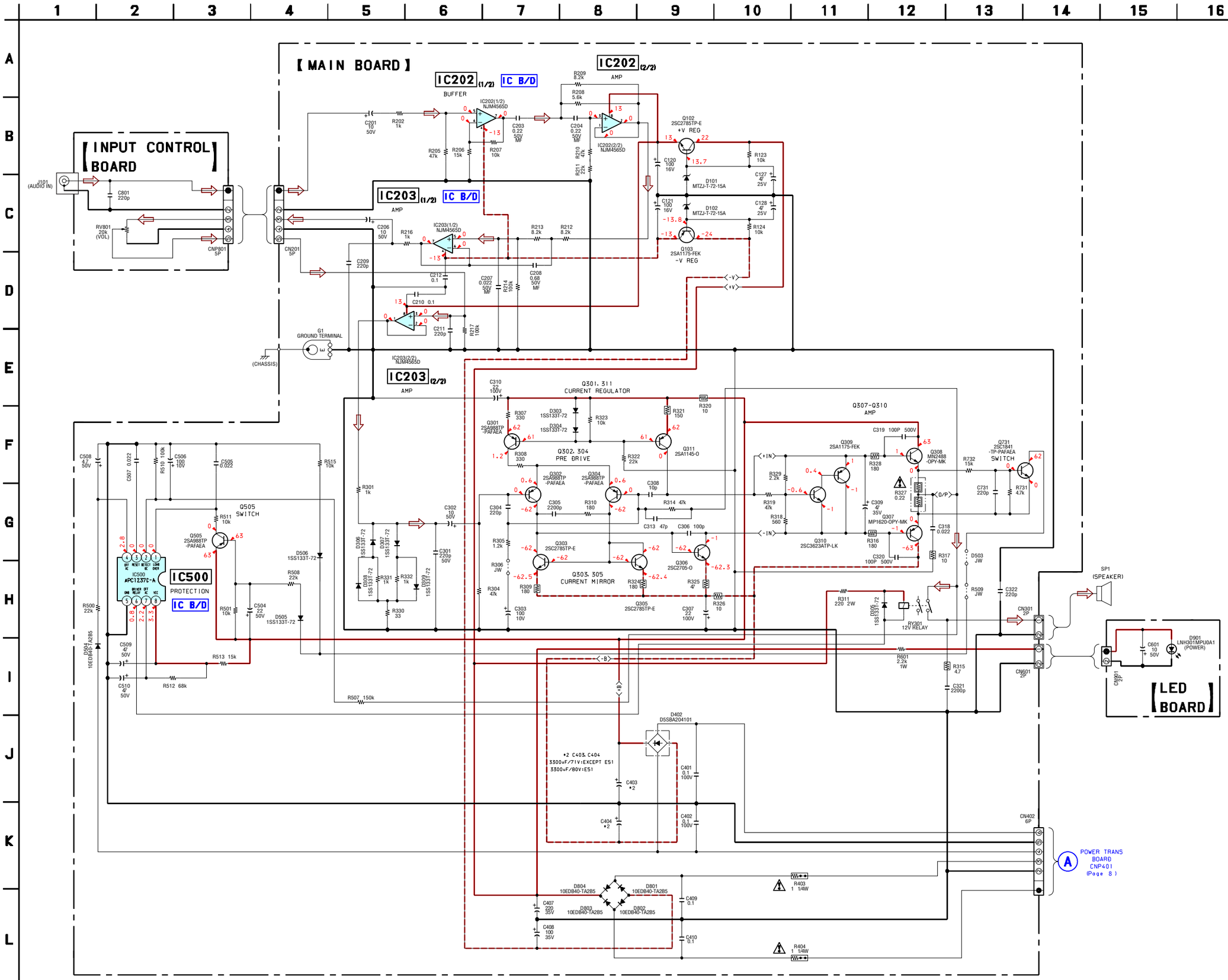

【LED BOARD】




• **Semiconductor Location**

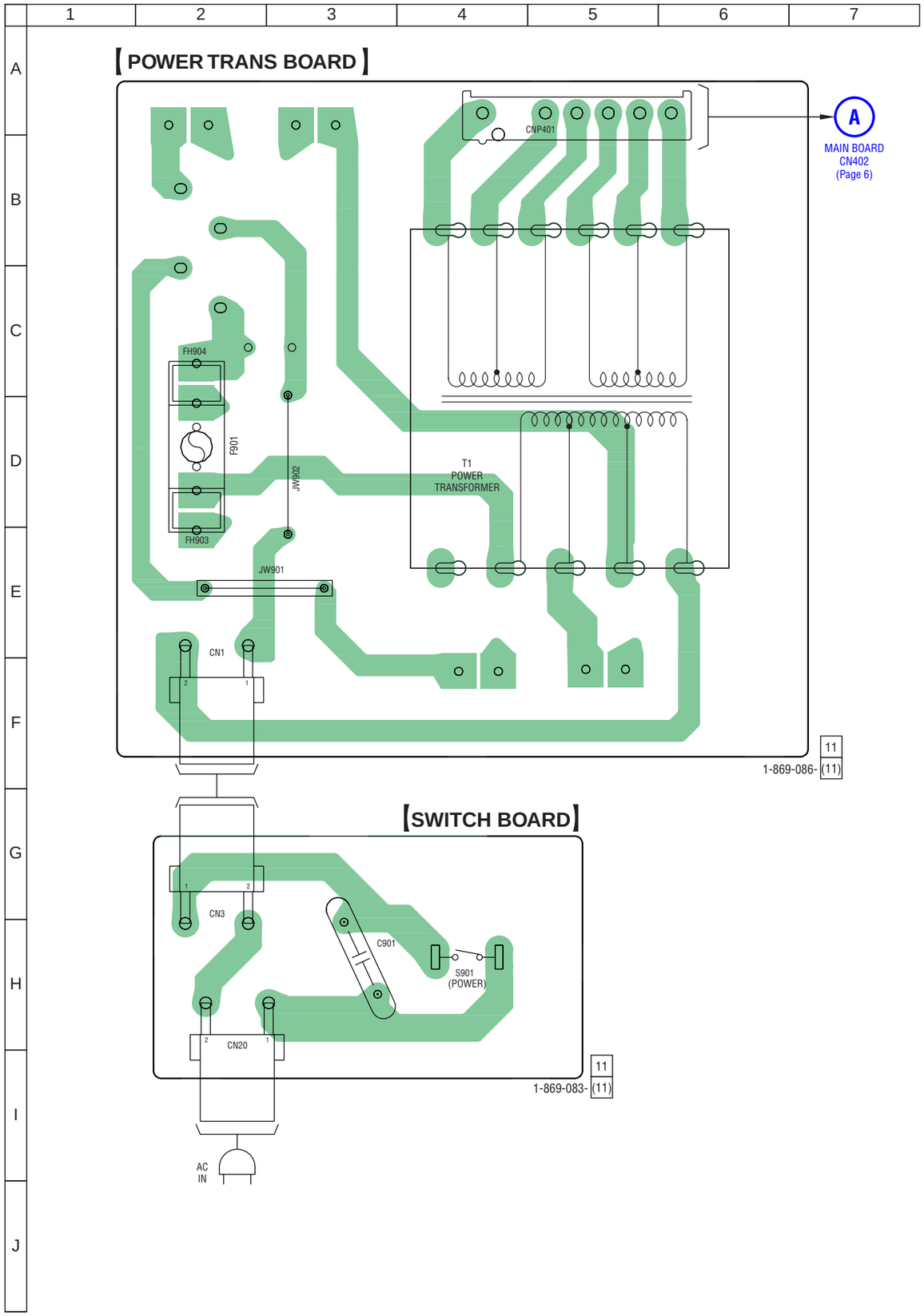
| Ref. No. | Location |
|---|---|
| D101 | D-4 |
| D102 | D-4 |
| D303 | C-5 |
| D304 | C-5 |
| D305 | F-8 |
| D306 | C-4 |
| D307 | C-4 |
| D308 | B-4 |
| D309 | B-4 |
| D402 | G-12 |
| D504 | G-10 |
| D505 | F-8 |
| D506 | G-8 |
| D801 | F-9 |
| D802 | F-9 |
| D803 | F-10 |
| D804 | F-10 |
| D901 | J-7 |
| | |
| IC202 | F-4 |
| IC203 | E-3 |
| IC500 | G-8 |
| | |
| Q102 | E-3 |
| Q103 | E-5 |
| Q301 | C-5 |
| Q302 | C-5 |
| Q303 | B-5 |
| Q304 | B-6 |
| Q305 | B-5 |
| Q306 | B-6 |
| Q307 | A-9 |
| Q308 | A-10 |
| Q309 | B-9 |
| Q310 | A-9 |
| Q311 | C-6 |
| Q505 | F-9 |
| Q731 | C-10 |

## 1-3. SCHEMATIC DIAGRAM — MAIN SECTION — • See page 4 for IC Block Diagrams.

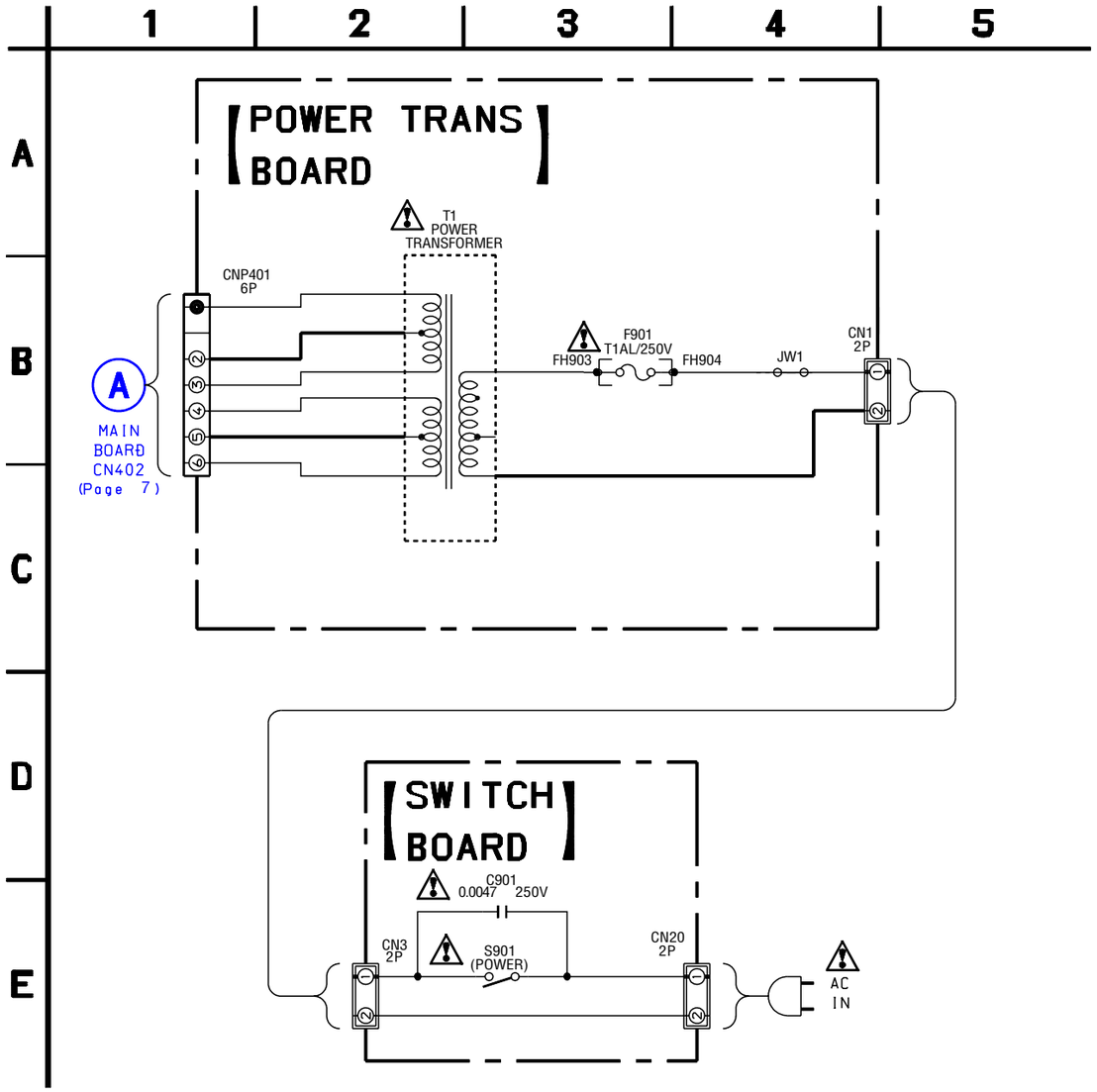


## 1-4. PRINTED WIRING BOARDS — POWER SECTION —

- :Uses unleaded solder.
- See page 3 for Circuit Boards Location.




## 1-5. SCHEMATIC DIAGRAM — POWER SECTION —



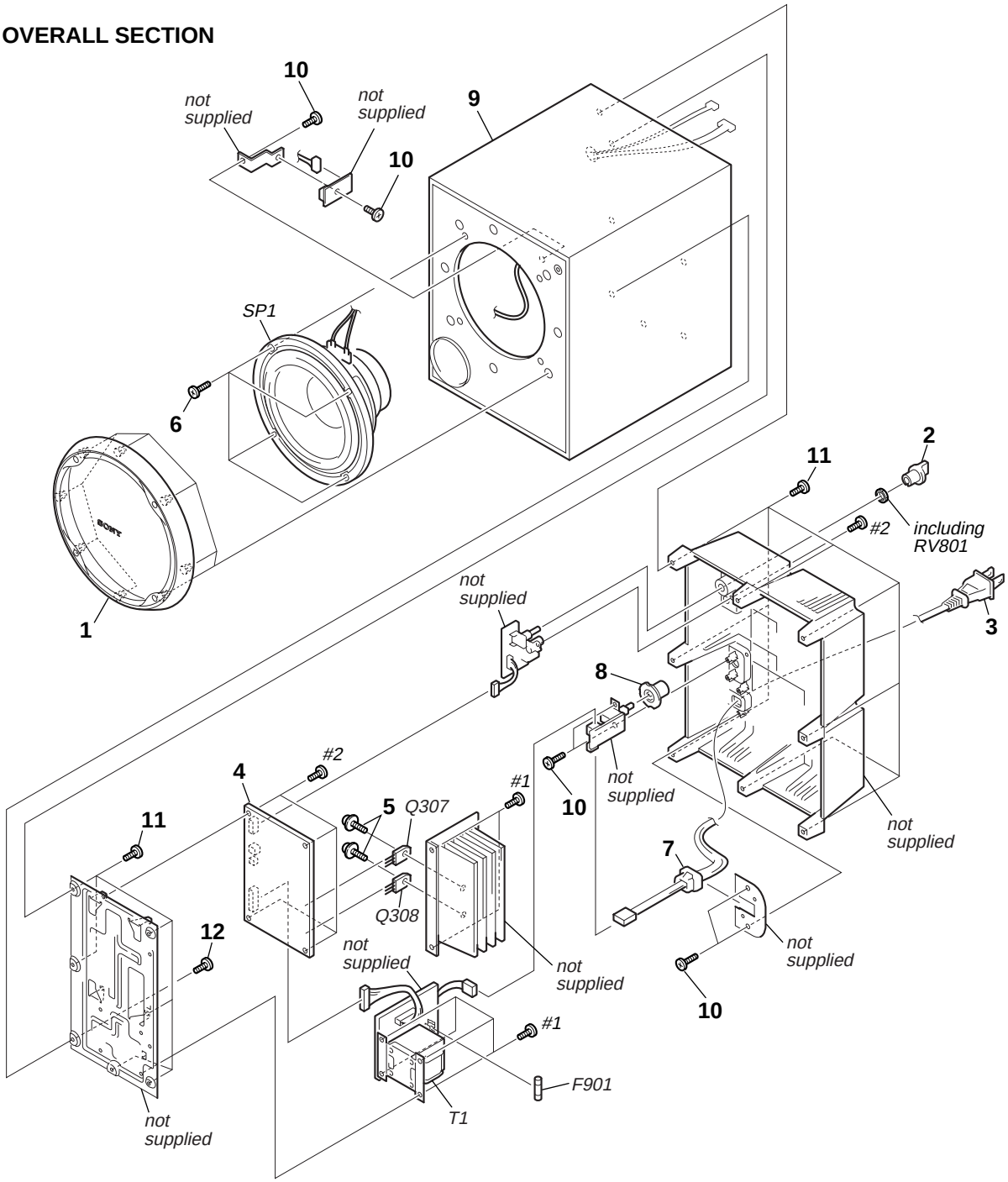
# SECTION 2
# EXPLODED VIEWS

**NOTE:**

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Abbreviation
  AUS : Australian model
  SP : Singapore model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

## 2-1. OVERALL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | A-1221-943-A | WOOFER RING ASSY | |
| 2 | 4-999-482-91 | KNOB (VOL) | |
| ⚠3 | 1-696-848-81 | CORD, POWER (AUS) | |
| ⚠3 | 1-777-071-23 | CORD, POWER (SP) | |
| 4 | A-1237-500-A | MAIN BOARD, COMPLETE | |
| 5 | 3-905-609-32 | SCREW (TRANSISTOR) | |
| 6 | 4-229-966-12 | SCREW (4X16), +BV TAPPING | |
| * 7 | 3-703-244-00 | BUSHING (2104), CORD | |
| 8 | 4-244-832-51 | KNOB POWER | |
| 9 | A-1223-204-A | SPEAKER CABINET ASSY | |
| 10 | 4-986-971-12 | SCREW (3.5) | |
| 11 | 4-874-614-02 | SCREW (1) (3.5X14), TAPPING | |
| 12 | 2-580-637-01 | SCREW +BVST 4X12 | |
| ⚠F901 | 1-532-463-33 | FUSE T1AL/250V | |
| Q307 | 6-702-391-01 | IC MP1620-OPY-MK | |
| Q308 | 6-702-390-01 | IC MN2488-OPY-MK | |
| SP1 | 1-826-412-21 | LOUDSPEAKER (20cm) | |
| ⚠T1 | 1-443-886-21 | TRANSFORMER, POWER | |
| #1 | 7-685-881-09 | SCREW +BVTT 4X8 (S) | |
| #2 | 7-685-646-79 | SCREW +BVTP 3X8 TYPE2 IT-3 | |

# SECTION 3
# ELECTRICAL PARTS LIST

**INPUT CONTROL**

**LED** **MAIN**

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS
  uF: µF
- COILS
  uH: µH
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA. . : µA. . uPA. . : µPA. .
  uPB. . : µPB. . uPC. . : µPC. .
  uPD. . : µPD. .
- Abbreviation
  AUS : Australian model
  SP : Singapore model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | INPUT CONTROL BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C801 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| | | < JACK > | | | |
| J101 | 1-815-025-11 | JACK, PIN 1P | | | |
| | | < VARIABLE RESISTOR > | | | |
| RV801 | 1-227-511-11 | RES, VAR, CARBON | 20K | | |
| ********** | | | | | |
| | | LED BOARD | | | |
| | | ********* | | | |
| | | < CAPACITOR > | | | |
| C601 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| | | < CONNECTOR > | | | |
| CNP901 | 1-564-505-11 | PLUG, CONNECTOR 2P | | | |
| | | < DIODE > | | | |
| D901 | 6-501-077-01 | DIODE LNH301MPU0A1 | | | |
| ********** | | | | | |
| | A-1237-500-A | MAIN BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C120 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C121 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C122 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C123 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C127 | 1-126-947-11 | ELECT | 47uF | 20% | 25V |
| C128 | 1-126-947-11 | ELECT | 47uF | 20% | 25V |
| C201 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C203 | 1-137-190-91 | FILM | 0.22uF | 5% | 50V |
| C204 | 1-137-190-91 | FILM | 0.22uF | 5% | 50V |
| C206 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C207 | 1-136-157-00 | FILM | 0.022uF | 5% | 50V |
| C208 | 1-136-175-00 | FILM | 0.68uF | 5% | 50V |
| C209 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C210 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C211 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C212 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C301 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C302 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C303 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C304 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C305 | 1-128-825-11 | CERAMIC | 2200PF | 5% | 50V |
| C306 | 1-102-973-00 | CERAMIC | 100PF | 5% | 50V |
| C307 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C308 | 1-102-947-00 | CERAMIC | 10PF | 0.5PF | 50V |
| C309 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C310 | 1-128-560-11 | ELECT | 22uF | 20% | 100V |
| C313 | 1-101-880-00 | CERAMIC | 47PF | 5% | 50V |
| C318 | 1-127-880-11 | CERAMIC | 0.022uF | 10% | 50V |
| C319 | 1-101-810-00 | CERAMIC | 100PF | 5% | 500V |
| C320 | 1-101-810-00 | CERAMIC | 100PF | 5% | 500V |
| C321 | 1-128-825-11 | CERAMIC | 2200PF | 5% | 50V |
| C322 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| C401 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C402 | 1-130-777-00 | MYLAR | 0.1uF | 5% | 100V |
| C403 | 1-100-304-11 | ELECT | 3300uF | 20% | 71V |
| C404 | 1-100-304-11 | ELECT | 3300uF | 20% | 71V |
| C407 | 1-126-949-91 | ELECT | 220uF | 20% | 35V |
| C408 | 1-126-948-91 | ELECT | 100uF | 20% | 35V |
| C409 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C410 | 1-127-888-11 | CERAMIC | 0.1uF | 10% | 50V |
| C504 | 1-126-965-91 | ELECT | 22uF | 20% | 50V |
| C505 | 1-127-880-11 | CERAMIC | 0.022uF | 10% | 50V |
| C506 | 1-104-658-91 | ELECT | 100uF | 20% | 10V |
| C507 | 1-127-880-11 | CERAMIC | 0.022uF | 10% | 50V |
| C508 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V |
| C509 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C510 | 1-126-967-11 | ELECT | 47uF | 20% | 50V |
| C731 | 1-128-813-11 | CERAMIC | 220PF | 5% | 50V |
| | | < CONNECTOR > | | | |
| CN201 | 1-784-931-11 | PIN, CONNECTOR 5P | | | |
| CN301 | 1-564-320-00 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| CN402 | 1-785-104-11 | PIN, CONNECTOR (3.96mm PITCH) 6P | | | |
| * CN601 | 1-506-944-11 | PIN, CONNECTOR 2P | | | |
| | | < DIODE > | | | |
| D101 | 8-719-947-60 | DIODE MTZJ-T-72-15A | | | |
| D102 | 8-719-947-60 | DIODE MTZJ-T-72-15A | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| D303 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D304 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D305 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D306 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D307 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D308 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D309 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D402 | 8-719-510-68 | DIODE D5SBA204101 | | | |
| D504 | 6-500-522-11 | DIODE 10EDB40-TA2B5 | | | |
| D505 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D506 | 8-719-991-33 | DIODE 1SS133T-72 | | | |
| D801 | 6-500-522-11 | DIODE 10EDB40-TA2B5 | | | |
| D802 | 6-500-522-11 | DIODE 10EDB40-TA2B5 | | | |
| D803 | 6-500-522-11 | DIODE 10EDB40-TA2B5 | | | |
| D804 | 6-500-522-11 | DIODE 10EDB40-TA2B5 | | | |
| | | < GROUND TERMINAL > | | | |
| G1 | 1-537-738-21 | TERMINAL, GROUND | | | |
| | | < IC > | | | |
| IC202 | 8-759-167-88 | IC NJM4565D | | | |
| IC203 | 8-759-167-88 | IC NJM4565D | | | |
| IC500 | 6-708-609-01 | IC uPC1237C-A | | | |
| | | < TRANSISTOR > | | | |
| Q102 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-E | | |
| Q103 | 8-729-119-77 | TRANSISTOR | 2SA1175-FEK | | |
| Q301 | 8-729-140-82 | TRANSISTOR | 2SA988TP-PAFAEA | | |
| Q302 | 8-729-140-82 | TRANSISTOR | 2SA988TP-PAFAEA | | |
| Q303 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-E | | |
| Q304 | 8-729-140-82 | TRANSISTOR | 2SA988TP-PAFAEA | | |
| Q305 | 8-729-119-78 | TRANSISTOR | 2SC2785TP-E | | |
| Q306 | 8-729-270-51 | TRANSISTOR | 2SC2705-O | | |
| Q309 | 8-729-119-77 | TRANSISTOR | 2SA1175-FEK | | |
| Q310 | 8-729-141-30 | TRANSISTOR | 2SC3623ATP-LK | | |
| Q311 | 8-729-214-51 | TRANSISTOR | 2SA1145-O | | |
| Q505 | 8-729-140-82 | TRANSISTOR | 2SA988TP-PAFAEA | | |
| Q731 | 8-729-140-84 | TRANSISTOR | 2SC1841TP-PAFAEA | | |
| | | < RESISTOR > | | | |
| R123 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R124 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R202 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R205 | 1-247-871-91 | CARBON | 47K | 5% | 1/4W |
| R206 | 1-247-859-81 | CARBON | 15K | 5% | 1/4W |
| R207 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R208 | 1-249-426-11 | CARBON | 5.6K | 5% | 1/4W |
| R209 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R210 | 1-247-871-91 | CARBON | 47K | 5% | 1/4W |
| R211 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R212 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R213 | 1-249-428-11 | CARBON | 8.2K | 5% | 1/4W |
| R214 | 1-247-879-91 | CARBON | 100K | 5% | 1/4W |
| R216 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R217 | 1-247-879-91 | CARBON | 100K | 5% | 1/4W |
| R301 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R304 | 1-247-871-91 | CARBON | 47K | 5% | 1/4W |
| R305 | 1-249-418-11 | CARBON | 1.2K | 5% | 1/4W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R307 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R308 | 1-249-411-11 | CARBON | 330 | 5% | 1/4W |
| R309 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R310 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R311 | 1-215-888-00 | METAL OXIDE | 220 | 5% | 2W |
| R314 | 1-247-871-91 | CARBON | 47K | 5% | 1/4W |
| R315 | 1-249-389-11 | CARBON | 4.7 | 5% | 1/4W |
| R316 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R317 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R318 | 1-249-414-11 | CARBON | 560 | 5% | 1/4W |
| R319 | 1-247-871-91 | CARBON | 47K | 5% | 1/4W |
| R320 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| R321 | 1-249-407-11 | CARBON | 150 | 5% | 1/4W |
| R322 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R323 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R324 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R325 | 1-249-401-11 | CARBON | 47 | 5% | 1/4W |
| R326 | 1-249-393-11 | CARBON | 10 | 5% | 1/4W |
| ⚠R327 | 1-234-182-11 | ENCAPSULATED COMPONENT | | | |
| R328 | 1-249-408-11 | CARBON | 180 | 5% | 1/4W |
| R329 | 1-249-421-11 | CARBON | 2.2K | 5% | 1/4W |
| R330 | 1-249-399-11 | CARBON | 33 | 5% | 1/4W |
| R331 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| R332 | 1-247-831-91 | CARBON | 1K | 5% | 1/4W |
| ⚠R403 | 1-217-637-00 | FUSIBLE | 1 | 5% | 1/4W |
| ⚠R404 | 1-217-637-00 | FUSIBLE | 1 | 5% | 1/4W |
| R500 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R501 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R507 | 1-247-883-00 | CARBON | 150K | 5% | 1/4W |
| R508 | 1-247-863-91 | CARBON | 22K | 5% | 1/4W |
| R510 | 1-247-879-91 | CARBON | 100K | 5% | 1/4W |
| R511 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R512 | 1-249-439-11 | CARBON | 68K | 5% | 1/4W |
| R513 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| R515 | 1-249-429-11 | CARBON | 10K | 5% | 1/4W |
| R601 | 1-215-871-11 | METAL OXIDE | 2.2K | 5% | 1W |
| R731 | 1-247-847-91 | CARBON | 4.7K | 5% | 1/4W |
| R732 | 1-249-431-11 | CARBON | 15K | 5% | 1/4W |
| | | < RELAY > | | | |
| RY301 | 1-755-170-11 | RELAY (12V) | | | |
| ********** | | | | | |
| | | POWER TRANS BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CN1 | 1-695-044-11 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| | | < FUSE HOLDER > | | | |
| FH903 | 1-533-217-41 | HOLDER, FUSE | | | |
| FH904 | 1-533-217-41 | HOLDER, FUSE | | | |
| ********** | | | | | |

## SWITCH

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | SWITCH BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| ⚠C901 | 1-117-703-11 | CERAMIC | 0.0047uF | 99% | 250V |
| | | < CONNECTOR > | | | |
| * CN3 | 1-695-044-11 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| * CN20 | 1-695-044-11 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| | | < SWITCH > | | | |
| ⚠S901 | 1-572-267-51 | SWITCH, PUSH (AC POWER) (1 KEY) | | | |
| ********** | | | | | |
| | | MISCELLANEOUS | | | |
| | | ********** | | | |
| ⚠3 | 1-696-848-81 | CORD, POWER (AUS) | | | |
| ⚠3 | 1-777-071-23 | CORD, POWER (SP) | | | |
| ⚠F901 | 1-532-463-33 | FUSE T1AL/250V | | | |
| Q307 | 6-702-391-01 | IC MP1620-OPY-MK | | | |
| Q308 | 6-702-390-01 | IC MN2488-OPY-MK | | | |
| SP1 | 1-826-412-11 | LOUDSPEAKER (20cm) | | | |
| ⚠T1 | 1-443-886-21 | TRANSFORMER, POWER | | | |

*MEMO*

# REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision |
|---|---|---|
| 1.0 | 2007.04 | New |
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